BookletChart

Cape Cod Bay

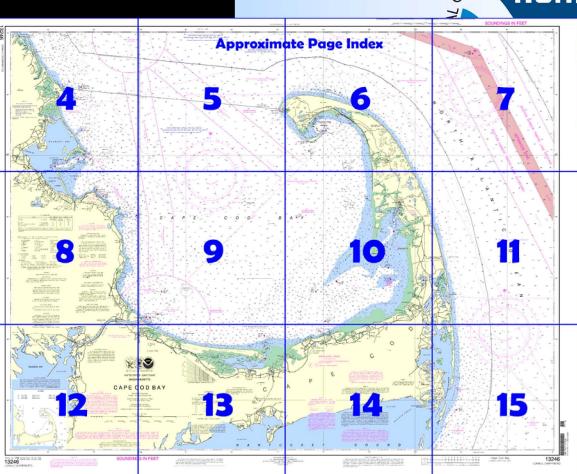
(NOAA Chart 13246)



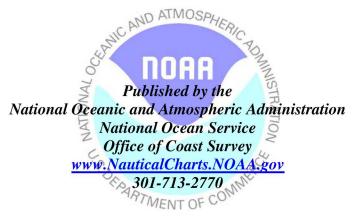
A reduced scale NOAA nautical chart for small boaters. When possible, use the full size NOAA chart for navigation.

- ☑ Complete, reduced scale nautical chart
- ✓ Print at home for free
- ☑ Convenient size
- ☑ Up to date with all Notices to Mariners
- ☑ United States Coast Pilot excerpts
- Compiled by NOAA, the nation's chartmaker.

 AND ATMOSPHER,



Home Edition (not for sale)



What are Nautical Charts?

Nautical charts are a fundamental tool of marine navigation. They show water depths, obstructions, buoys, other aids to navigation, and much more. The information is shown in a way that promotes safe and efficient navigation. Chart carriage is mandatory on the commercial ships that carry America's commerce. They are also used on every Navy and Coast Guard ship, fishing and passenger vessels, and are widely carried by recreational boaters.

What is a BookletChart[™]?

This BookletChart is made to help recreational boaters locate themselves on the water. It has been reduced in scale for convenience, but otherwise contains all the information of the full-scale nautical chart. The bar scales have also been reduced, and are accurate when used to measure distances in this BookletChart. See the Note at the bottom of page 5 for the reduction in scale applied to this chart.

Whenever possible, use the official, full scale NOAA nautical chart for navigation. Nautical chart sales agents are listed on the Internet at http://www.NauticalCharts.NOAA.gov.

This BookletChart does NOT fulfill chart carriage requirements for regulated commercial vessels under Titles 33 and 44 of the Code of Federal Regulations.

Notice to Mariners Correction Status

This BookletChart has been updated for chart corrections published in the U.S. Coast Guard Local Notice to Mariners, the National Geospatial Intelligence Agency Weekly Notice to Mariners, and, where applicable, the Canadian Coast Guard Notice to Mariners. Additional chart corrections have been made by NOAA in advance of their publication in a Notice to Mariners. The last Notices to Mariners applied to this chart are listed in the Note at the bottom of page 7. Coast Pilot excerpts are not being corrected.



[Coast Pilot 2, Chapter 4 excerpts] (13) Between Wood End (42°01.2'N., 70°11.3'W.) and Race Point, the westernmost point of Cape Cod, shoals that rise abruptly from deep water extend a maximum of about about 0.6 mile from shore. Race Point Light (42°03'45"N., 70°14'35"W.), 41 feet above the water, is shown from a white tower on the northwest point of Cape Cod.

(14) **Peaked Hill Bar** includes shoals with a least depth of 10 feet about 3.5 miles northeast of Race Point Light.

(15) The bar is about 0.6 mile offshore and extends for about 4 miles paralleling the coastline. This area should be given a berth of at least 2 miles. A lighted whistle buoy is about 2.5 miles off the bar and about 5 miles northwestward of Highland Light. Keeping in a depth of 20 fathoms will ensure passing 2.5 to 3 miles off the eastern side of Cape Cod.

- (17) **Highland Light** (42°02'22"N., 70°03'39"W.), 170 feet above the water, is shown from a 66-foot white tower with covered way to the dwelling on a high bluff of the Highlands.
- (21) Nauset Beach Light (41°51.6'N., 69°57.2'W.), 114 feet above the water, is shown from a 48-foot conical tower, the upper part red and the lower part white, on the beach at Eastham. The buildings of a former Coast Guard station, about 1 mile south of the light, are conspicuous. (22) The coast from Nauset Beach Light turns gradually southward to Chatham, a distance of 11 miles, and becomes lower and less steep. The terrain slopes gently back from the beach and is covered with a scanty growth of grass.
- (23) **Nauset Harbor**, 3.3 miles south of Nauset Beach Light, is used by small local craft. The area offshore of the harbor is a chain of shifting sandbars. Breakers are present in this vicinity at all stages of the tide and even during the calmest weather. The area is extremely dangerous for any vessel larger than a runabout or for anyone without local knowledge. Strangers should never attempt to enter.
- (24) The harbor has three arms extending northward into **Nauset Bay**, northwestward into **Salt Pond Bay** and **Salt Pond**, and westward into **Town Cove** which is about 2 miles long in a southwesterly direction. Private seasonal buoys mark the channel from the entrance to Town Cove. A marina is on the west bank about 0.5 mile from the head of the cove. Gasoline, water, moorings, berths, marine supplies, and a concrete ramp are available. Craft to 25 feet can be handled for hull or engine repairs, or dry open or covered storage. In August 1981, depths of 4 feet were reported alongside the service dock.
- (25) The outer coast is eroding from east of **North Chatham** northward for about 3 miles. Waves wash across the beach barrier into the sound in several places at high water. A conspicuous standpipe with a red and white checkered band around the top is about 0.6 mile southward of **Chatham Port**.
- (26) **Chatham**, about 11.5 miles southward of Nauset Beach Light, is on fairly high ground on the west side of **Chatham Harbor**. **Chatham Light** (41°40'17"N., 69°57'01"W.), 80 feet above the water, is shown from a white conical tower on the west side of the harbor. **Chatham Coast Guard Station** is near Chatham Light.
- (28) In January 1987, a break occurred in Nauset Beach, the barrier beach protecting Chatham Harbor, creating a new inlet into the harbor east of Chatham Light. This break is now the only entrance into Chatham Harbor. The break is used by small local fishing and pleasure craft with a smooth sea. The break is unmarked, extremely dangerous, and should be avoided by those without local knowledge. The Coast Guard has established a rough bar advisory light, 62 feet above the water, on a skeleton tower near Chatham Light in about 41°40'17.4"N., 69°57'00.1"W. to promote safety for small-boat operators. The light has a dayboard which is diamond-shaped, painted white with an international orange border, and with the words "Rough Bar" in black letters. The light, when activated, is flashing vellow. The light will be activated when the seas exceed 2 feet in height and are considered hazardous for small boats. Small-boat operators are cautioned, however, that if the light is not flashing it is no guarantee that sea conditions are favorable. Currents are extremely strong and dangerous surf can build up quickly on the outer bar with an ebb current. Shoals are constantly shifting near the break and extreme caution is advised. Ocean waves carry into the harbor and reportedly break as far north as Tern Island. Anchoring and even mooring in much of Chatham Harbor is not recommended. Mariners unfamiliar with the area are advised to stay east of Chatham Beach Lighted Whistle Buoy C (41°39'12"N., 69°55'30"W.).
- (29) About 2.7 miles south of Chatham Light, at what used to be the end of Nauset Beach, is a large area of shoals which extends southwestward to Monomoy Island. There is no marked channel through the shoals. Small vessels with local knowledge use the area with a smooth sea; strangers should avoid the area. These shoals are dangerous in thick

weather and vessels in the vicinity should stay in depths of 8 fathoms or more.

CAUTION

Mariners are warned to stay clear of the protective riprap surrounding navigational light structures shown thus:

NOTE C

A breach has opened through Nauset Beach. Use extreme caution when at-tempting a transit through this area.

Corrected through NM Dec. 23/06 Corrected through LNM Dec. 12/06

HEIGHTS

Heights in feet above Mean High Water.

SUPPLEMENTAL INFORMATION

Consult U.S. Coast Pilot 1 and 2 for important supplemental information

(Protected area 15 CFR 922)

The following activities are prohibited within the Stellwagen Bank Marine Sanctuary:

Certain discharging or dumping Industrial exploring or developing Drilling and dredging Removing historical artifacts Lightering

Refer to 15 CFR 922 for details of Sanctuary regulations

Mercator Projection Scale 1:80,000 at Lat 41°53'

North American Datum of 1983 (World Geodetic System 1984)

SOUNDINGS IN FEET AT MEAN LOWER LOW WATER

RADAR REFLECTORS

Radar reflectors have been placed on many floating aids to navigation. Individual radar reflector identification on these aids has been omitted from this chart.

WARNING

The prudent marine will not rely solely on any single aid to navigation, particularly on floating aids. See U.S. Coast Guard Light List and U.S. Coast Pilot for details.

NOAA WEATHER RADIO BROADCASTS

The NOAA Weather RADIO BROADCASTS

The NOAA Weather Radio stations listed below provide continuous weather broadcasts. The reception range is typically 20 to 40 nautical miles from the antenna site, but can be as much as 100 nautical miles for stations at high elevations.

Boston, MA KHB-35 Essex Marine, MA WNG-574 Hyannis, MA KEC-73 162.475 MHz 162.425 MHz 162.55 MHz

AIDS TO NAVIGATION

Consult U.S. Coast Guard Light List for supplemental information concerning aids to navigation.

CAUTION

SUBMARINE PIPELINES AND CABLES

Charted submarine pipelines and submarine cables and submarine pipeline and cable areas

Pipeline Area

Cable Area

Additional uncharted submarine pipelines and submarine cables may exist within the area of this chart. Not all submarine pipelines and submarine cables are required to be buried, and those that were originally buried may have become exposed. Mariners should use extreme caution when operating vessels in depths of water comparable to their draft in areas where pipelines and cables may exist, and when anchoring, dragging, or trawling.

Covered wells may be marked by lighted or unlighted buoys.

CABLE AND PIPELINE AREAS

The cable and pipeline areas falling within the areas of the larger scale charts are shown thereon and are not repeated on this chart.

CAUTION

Temporary changes or defects in aids to navigation are not indicated on this chart. See Local Notice to Mariners.

During some winter months or when endangered by ice, certain aids to navigation are replaced by other types or removed. For details see U.S. Coast Guard Light List.

Table of Selected Chart Notes

HORIZONTAL DATUM

The horizontal reference datum of this chart The horizontal reference datum of this chart is North American Datum of 1983 (NAD 83), which for charling purposes is considered equivalent to the World Geodetic System 1984 (WGS 84). Geographic positions referred to the North American Datum of 1927 must be corrected an average of 0.385* northward and 1.914* eastward to agree with this chart.

CAUTION

Improved channels shown by broken lines are subject to shoaling, particularly at the edges.

CAUTION

CAUTION

Limitations on the use of radio signals as aids to marine navigation can be found in the U.S. Coast Guard Light Lists and National Geospatial-Intelligence Agency Publication 117.

Radio direction-finder bearings to commercial broadcasting stations are subject to error and should be used with caution.

Station positions are shown thus:

(Accurate location) o(Approximate location)

FISH TRAP AREAS

Boundary lines of fish trap areas are shown

Submerged piling may exist in these areas

NOTE A

Navigation regulations are published in Chapter 2, U.S.
Coast Pilots 1 & 2. Additions or revisions to Chapter 2 are published in the Notice to Mariners. Information concerning
the regulations may be obtained at the Office of the Commander, 1st Coast Guard District in Boston, MA or at the
Office of the District Engineer, Corps of Engineers in
Concord, MA.

Refer to charted regulation section numbers.

NOTE Z NO-DISCHARGE ZONE, 40 CFR 140

NO-DISCHARGE ZONE, 40 CFR 140
Under the Clean Water Act, Section 312, all vessels operating within a No-Discharge Zone (NDZ) are completely prohibited from discharging any sewage, treated or untreated, into the waters. All vessels with an installed marine sanitation device (MSD) that are navigating, moored, anchored, or docked within a NDZ must have the MSD disabled to prevent the overboard discharge of sewage (treated or untreated) or install a holding tank. Regulations for the NDZ are contained in the U.S. Coast Pilot. Additional information concerning the regulations and requirements may be obtained from the Environmental Protection Agency (EPA) web site: http://www.epa.gov/owow/oceans/regulatory/vessel_sewage/.

LORAN-C GENERAL EXPLANATION

LORAN-C FREQUENCY.

Master Secondary Secondary Secondary Secondary

EXAMPLE: 9960-X

RATES ON THIS CHART

Loran-C correction tables published by the National Geospatial-Intelligence Agency or others should not be used with this chart. The lines of position shown have been adjusted based on survey data. Every effort has been made to meet the Vn natiotal mile accuracy criteria established by the U.S. Coast Guard. Marriares are cautioned not to rely solely on the littles. the lattices in inshore waters.

Additional information can be obtained at nauticalcharts.noaa.gov.

POLLUTION REPORTS

Report all spills of oil and hazardous substances to the National Response Center via 1-800-424-8802 (toll free), or to the nearest U.S. Coast Guard facility if telephone communication is impossible (33 CFR 153).

SOURCE DIAGRAM

The outlined areas represent the limits of the most recent hydrographic survey information that has been evaluated for charting. Surveys have been banded in this diagram by date and type of survey. Channels maintained by the U.S. Army Corps of Engineers are periodically resurveyed and are not shown on this diagram. Refer to Chapter 1, <u>United States Coast Pilot</u>.

AUTHORITIES

Hydrography and topography by the National Ocean Service, Coast Survey, with additional data from the Corps of Engineers, Geological Survey, and U.S. Coast Guard.

NORTHERN RIGHT WHALE CRITICAL HABITAT 150 NORTHERN RIGHT WHALE CHITICAL THOUGH 17 (precautionary area: 50 CFR 226.203b, 224.103, see note A)

It is illegal to approach any right whale anywhere closer than 500 yards. 167

NORTHERN RIGHT WHALE CRITICAL HABITAT (precautionary area: 50 CFR 226.203b, 224.103; see note A) 201 197 195 It is illegal to approach any right whale anywhere closer than 500 yards.

CAUTION

CAUTION

This chart has been corrected from the Notice to Mariners (NM) published weekly by the National Geospatial-Intelligence Agency and the Local Notice to Mariners (LMM) issued periodically by each U.S. Coast Guard district to the dates shown in the lower left hand corner. Chart updates corrected from Notice to Mariners published after the dates shown in the lower left hand corner are available at

NOTE X

Within the 12-nautical mile Territorial Sea, established by Presidential Proclamation, some Federal laws apply. The Three Nautical Mile Line, previously identified as the outer limit of the territorial sea, is retained as it continues to depict the jurisdictional irritor of the territorial sea, is retained as it continues to depict the jurisdictional of Florida, Texas, and Puerto Rico, and the Three Nautical Mile Line elsewhere remain in most cases the inner limit of Federal fisheries jurisdiction and the outer limit of the jurisdiction of the states. The 24-nautical mile Contiguous Zone and the 200-nautical mile Exclusive Economic Zone were established by Presidential Proclamation. Unless fixed by treaty or the U.S. Supreme Court, these maritime limits are subject to modification.

NOTE E

RECOMMENDED TWO-WAY WHALE AVOIDANCE ROUTES AND TRACK

The two-way routes and two-way track shown on this chart are RECOMMENDED for use by all vessels traveling into or out of Cape Cod Bay. This routing has been established to <u>reduce the likelihood</u> of ship strikes of endangered North Atlantic right whales. Mariners are warned that some vessels might not be able to keep to the starboard side of the route or track at all times. CAUTION: Full bottom coverage surveys have not been conducted within the entire route nor allong the entire track, so uncharted dangers may exist. See Source Diagram and Chapter 1, U.S. Coast Piot.

Regulations for Ocean Dumping Sites are contained in 40 CFR, Parts 220-229. Additional information concerning the regulations and requirements for use of the sites may be obtained from the Environmental Protection Agency (EPA). See U.S. Coast Pilots appendix for addresses of EPA offices. Dumping subsequent to the survey dates may have reduced the depths shown.

This nautical chart has been designed to promote safe navigation. The National Ocean Service encourages users to submit corrections, additions, or comments for improving this chart to the Chief, Marine Chart Division (N/CS2), National Ocean Service, NOAA, Silver Spring, Maryland 20910-3282.

TIDAL INFORMATION

	101 12 11 0 11 11 11 11 11									
	PLACE	Height referred to datum of soundings (MLLW)								
N/	AME	(LAT/LONG)	Mean Higher High Water	Mean High Water	Mean Low Water					
Bar	mouth nstable Harbor, Beach Point vincetown	(41°58'N/70°40'W) (41°43'N/70°17'W) (42°03'N/70°11'W)	feet 10.5 10.2 9.8	feet 10.1 9.8 9.4	feet 0.3 0.3 0.3					

Dashes (---) located in datum columns indicate unavailable datum values for a tide station. Real-time water levels, tide predictions, and tidal current predictions are available on the Internet from http://tidesandcurrents.noaa.gov.

ABBREVIATIONS (For complete list of Symbols and Abbreviations, see Chart No. 1.) Aids to Navigation (lights are white unless otherwise indicated):

AERO aeronautical	G green		Mo morse code	R TR radio tower	
Al alternating	IQ interrupted quick		N nun	Rot rotating	
B black	Iso isophase		OBSC obscured	s seconds	
Bn beacon	LT HO II	ghthouse	Oc occulting	SEC sector	
C can	M nautical mile		Or orange	St M statute mile	
DIA diaphone	m minutes		Q quick	VQ very quick	
F fixed	MICRO TR microwave tower		R red	W white	
FI flashing	Mkr marker		Ra Ref radar reflector	WHIS whistle	
			R Bn radiobeacon	Y yellow	
Bottom characteristics:					
Blds boulders	Co coral	gy gray	Ovs ovsters	so soft	
bk broken	G gravel	h hard	Rk rock	Sh shells	
Cy clay	Grs grass	M mud	S sand	sy sticky	
Miscellaneous:					
AUTH authorized	Obstn	obstruction	PD position doubtful	Subm submerged	
ED existence doubt	ful PA nos	ition approximate	Rep reported		

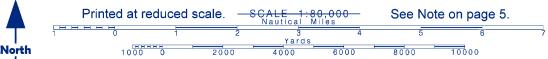
2.21 Wrock, rock, obstruction, or shoal swept clear to the depth indicated.
(2) Rocks that cover and uncover, with heights in feet above datum of so
COLREGS: International Regulations for Preventing Collisions at Sea, 1972.

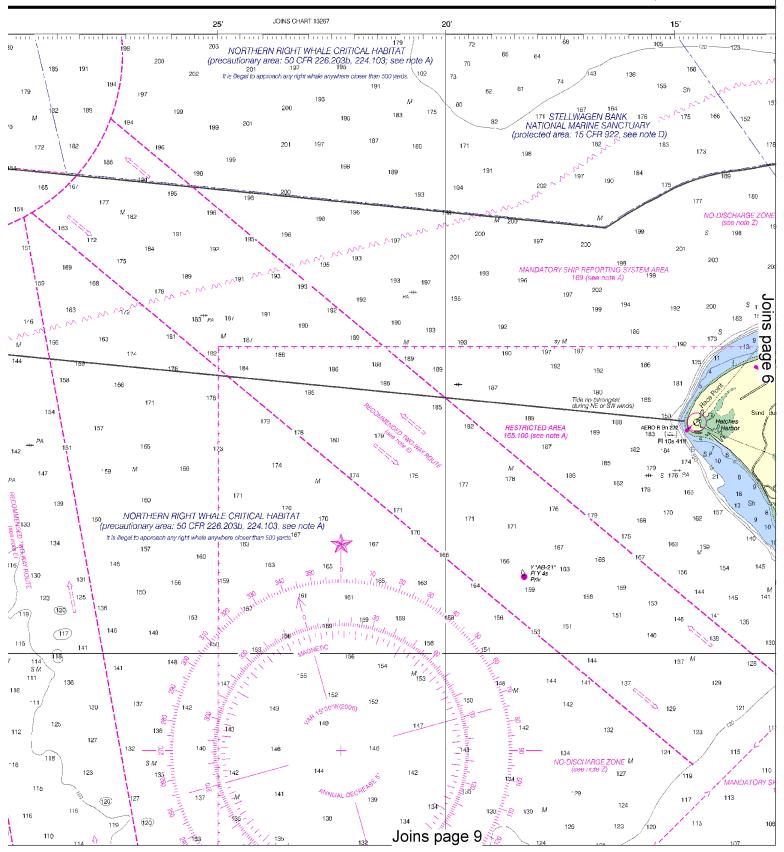
Demarcation lines are shown thus:

PRINT-ON-DEMAND CHARTS

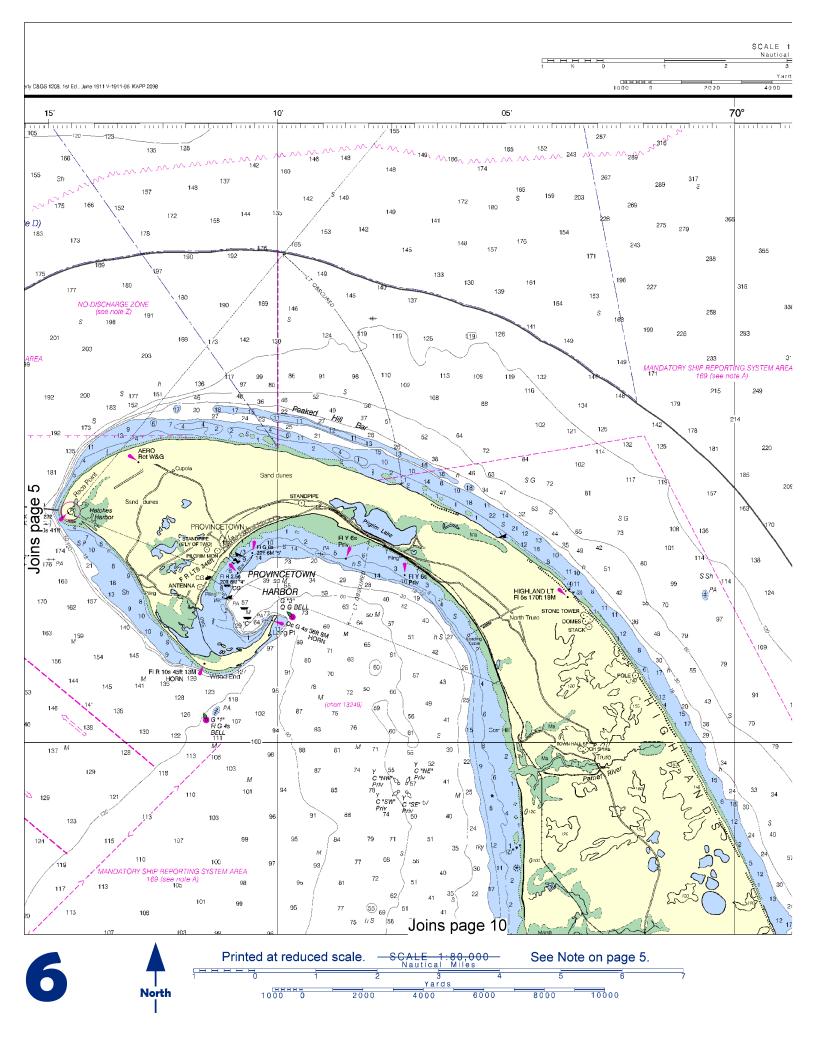
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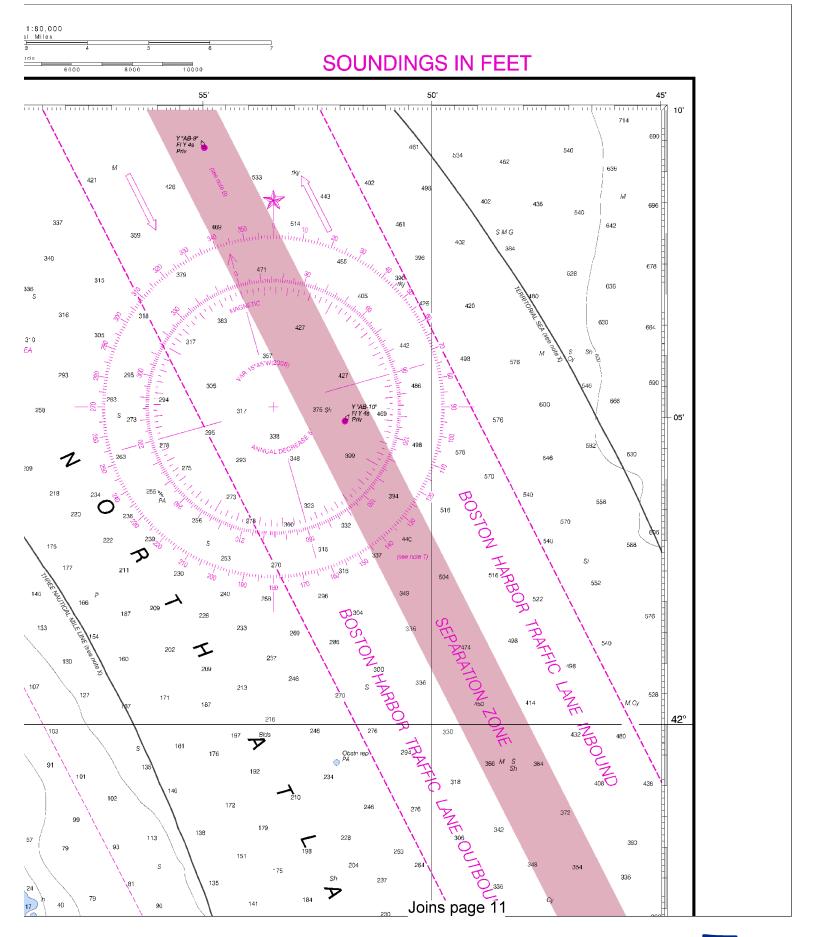


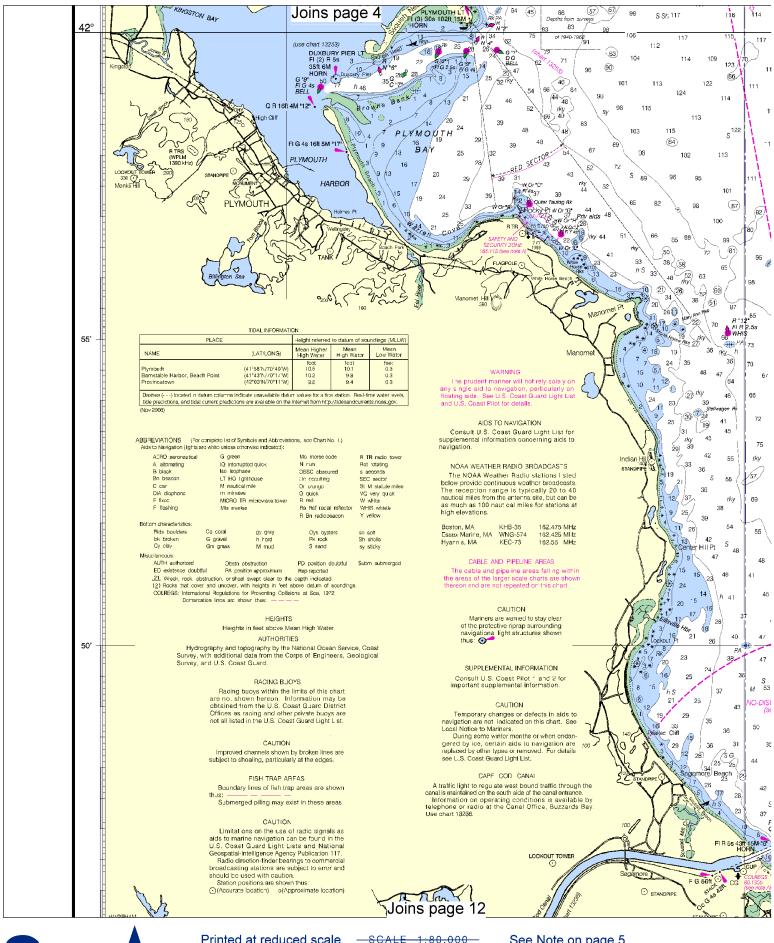


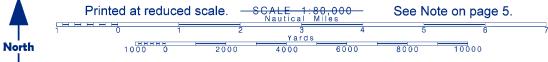


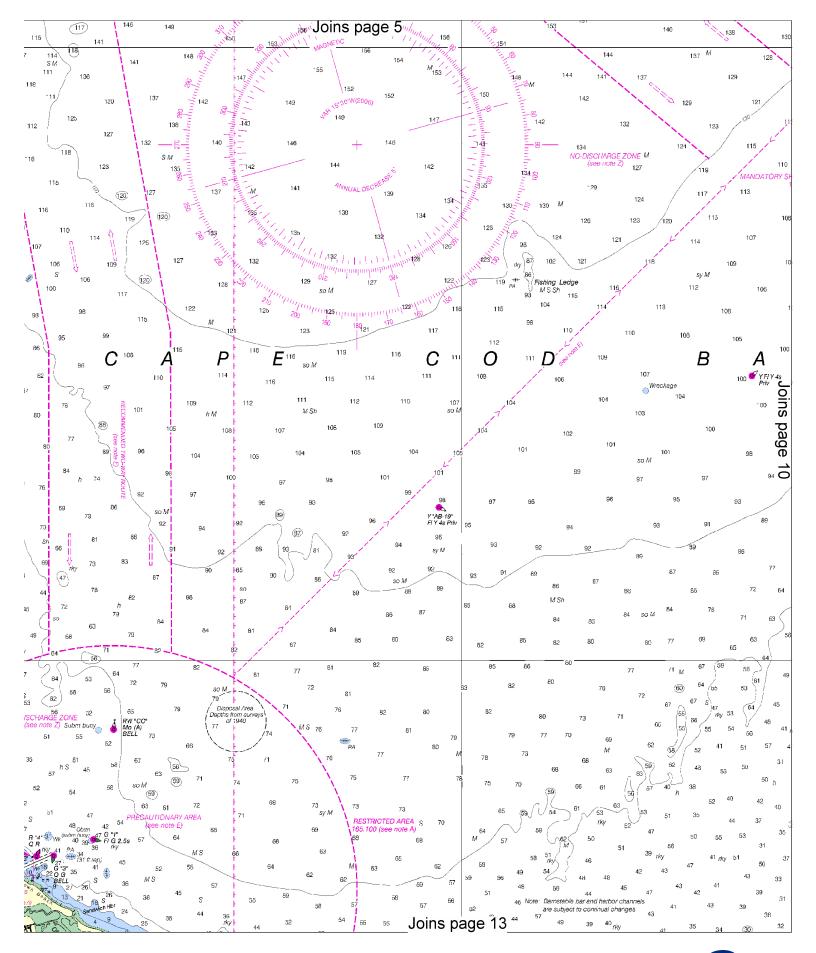
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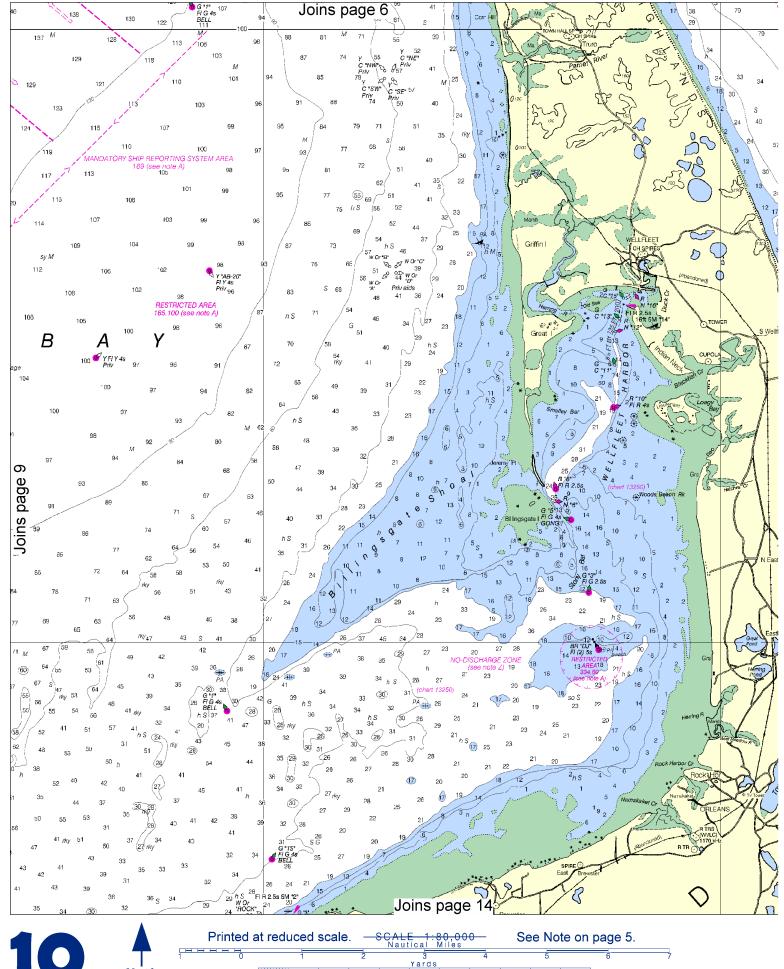


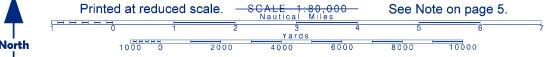


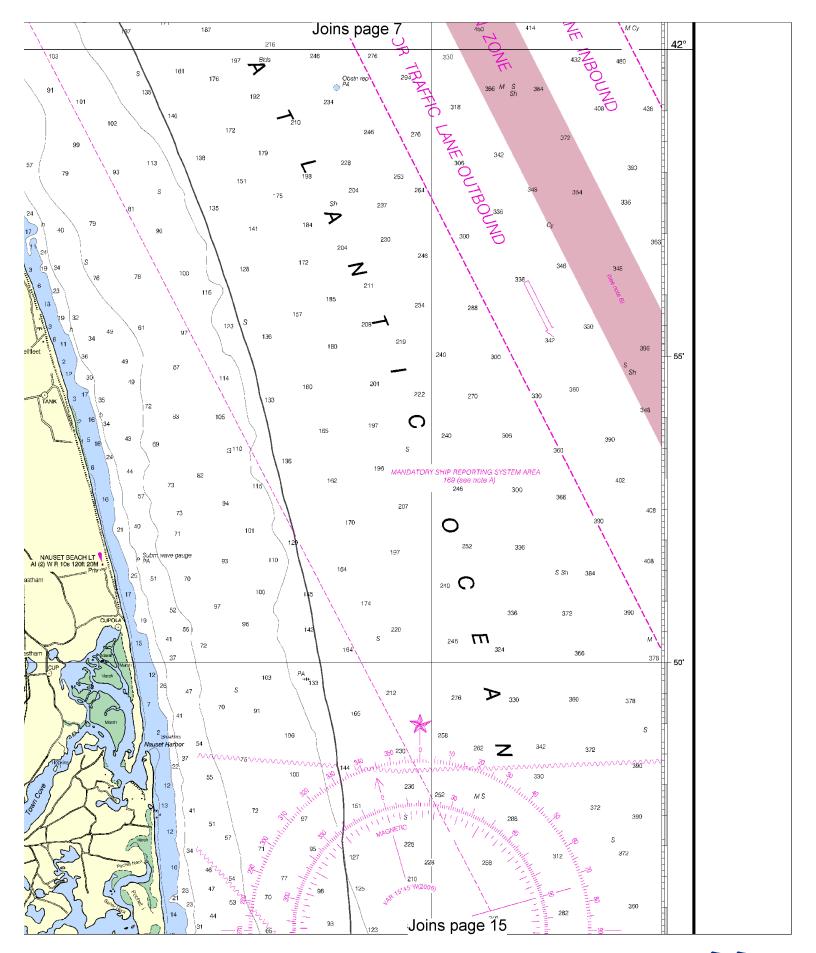


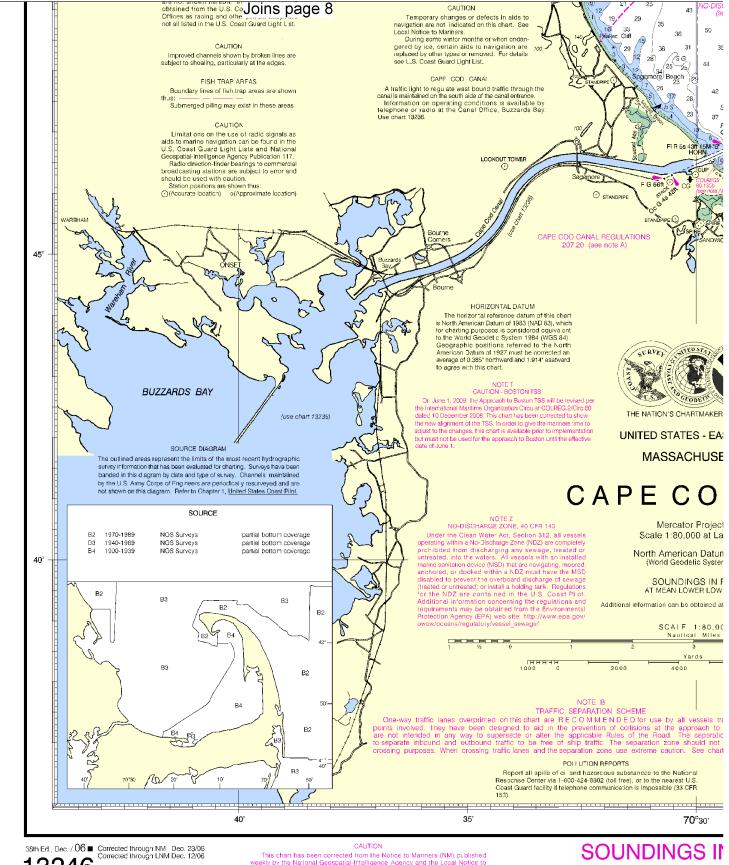










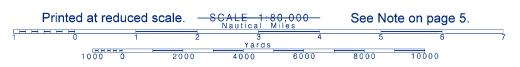


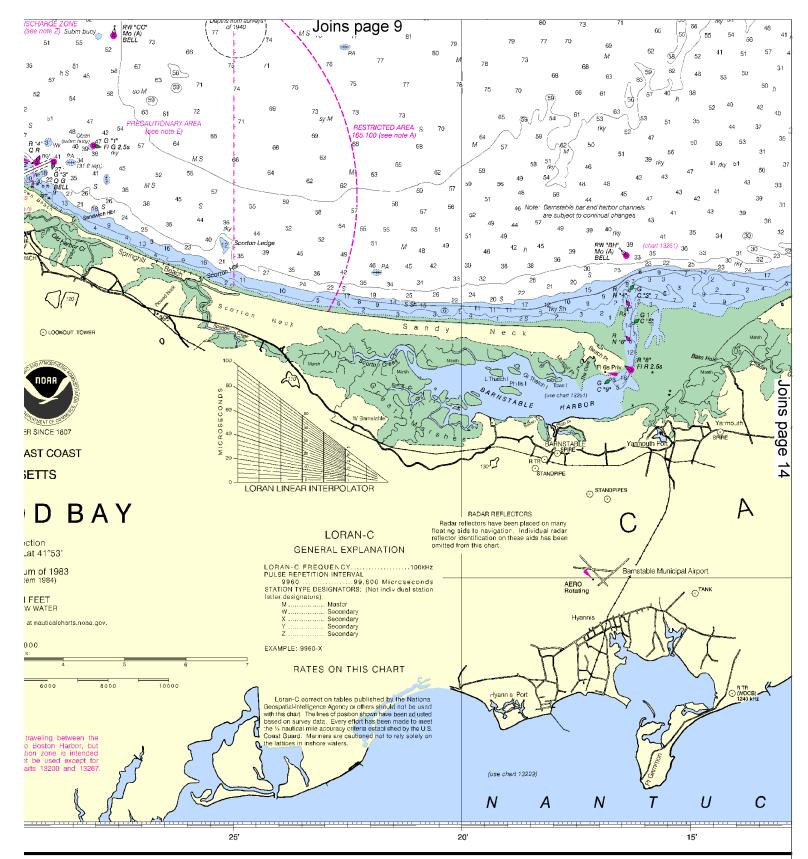
S8th Ed., Dec. / 06 Corrected through NM Dec. 23/0: 13246

LORAN-C OVERPRINTED

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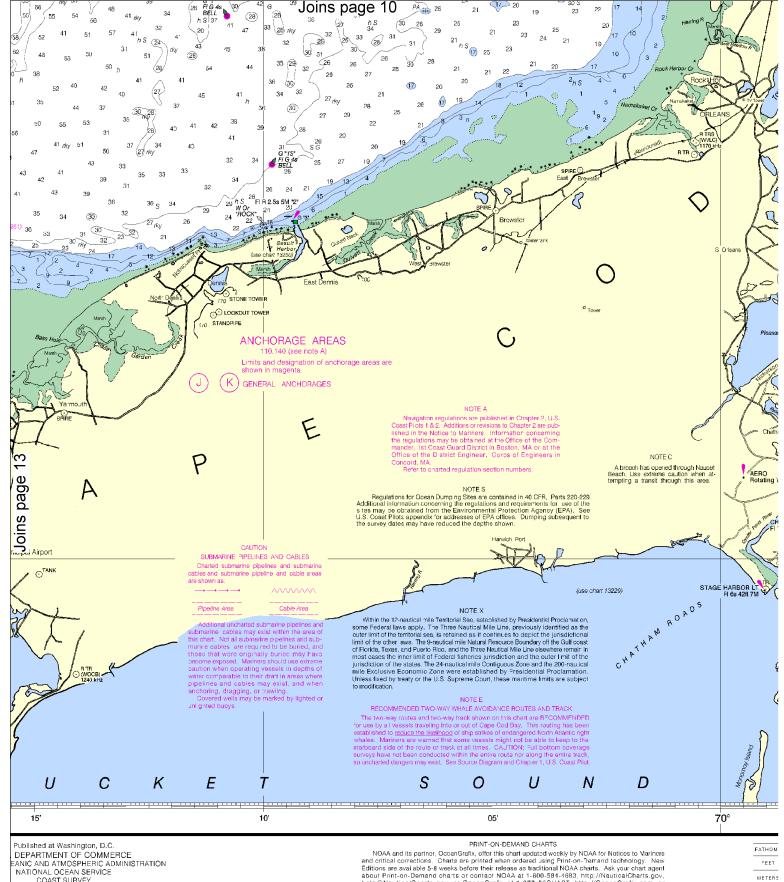






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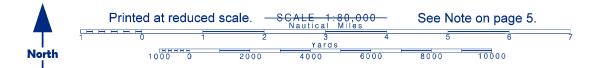
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U.S. DEPARTMENT OF COMMERCE
NATIONAL OCEANIC AND ATMOSPHERIC ADMINIS
NATIONAL OCEAN SERVICE
COAST SURVEY

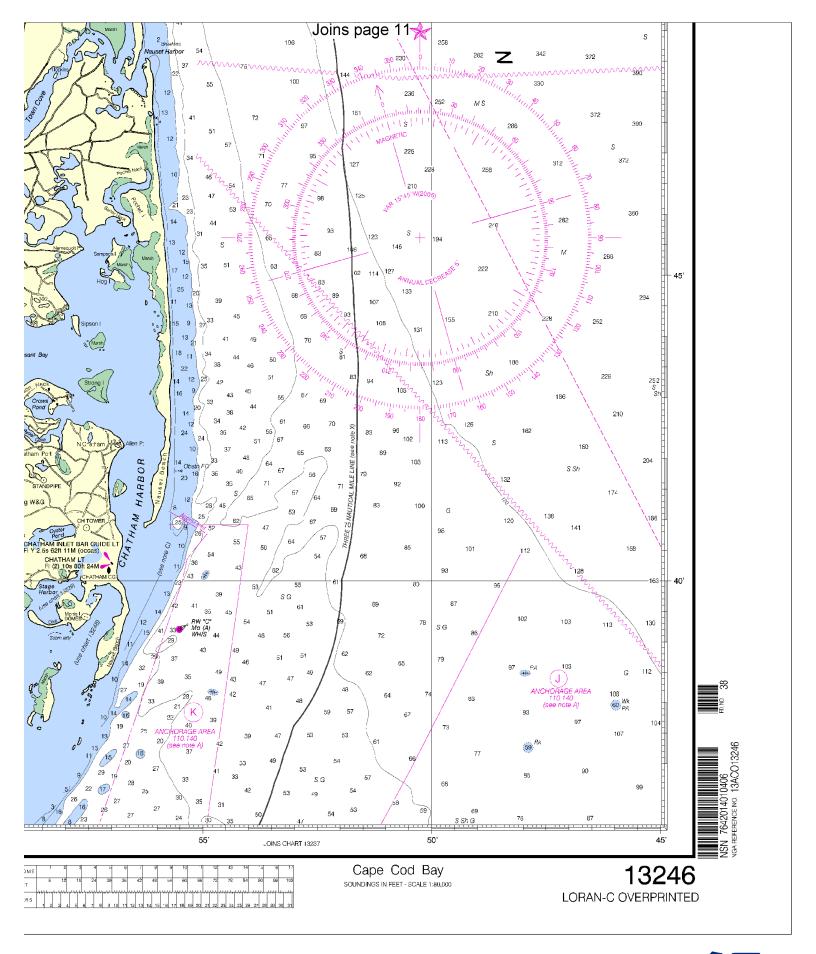


COAST SURVEY

PHINI-ON-DEMAND CHARTS

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EMERGENCY INFORMATION

VHF Marine Radio channels for use on the waterways:

Channel 6 – Inter-ship safety communications.

Channel 9 – Communications between boats and ship-to-coast.

Channel 13 – Navigation purposes at bridges, locks, and harbors.

Channel 16 – Emergency, distress and safety calls

to Coast Guard and others, and to initiate calls to other vessels. Contact the other vessel, agree to another channel, and then switch.

Channel 22A – Calls between the Coast Guard and the public. Severe weather warnings, hazards to navigation and safety warnings are broadcast here.

Channels 68, 69, 71, 72 & 78A – Recreational boat channels.

Distress Call Procedures

- 1. Make sure radio is on.
- 2. Select Channel 16.
- 3. Press/Hold the transmit button.
- 4. Clearly say: "MAYDAY, MAYDAY, MAYDAY."
- Also give: Vessel Name and/or Description; Position and/or Location; Nature of Emergency; Number of People on Board.
- 6. Release transmit button.
- Wait for 10 seconds If no response Repeat MAYDAY Call.

HAVE ALL PERSONS PUT ON LIFE JACKETS!!

Mobile Phones – Call 911 for water rescue.

Coast Guard Woods Hole - 800-632-8075/508-457-3254

Coast Guard Cape Code Canal - 508-888-0335

Coast Guard Chatham - 508-945-0164

Coast Guard Provincetown - 508-487-0071

MA Environmental Police - 800-632-8075

Coast Guard Atlantic Area Cmd - 757-398-6390

<u>NOAA Weather Radio</u> – 162.400 MHz, 162.425 MHz, 162.450 MHz, 162.475 MHz, 162.500 MHz, 162.525 MHz, 162.550 MHz.

Getting and Giving Help – Signal other boaters using visual distress signals (flares, orange flag, lights, arm signals); whistles; horns; and on your VHF radio. You are required by law to help boaters in trouble. Respond to distress signals, but do not endanger yourself.



NOAA CHARTING PUBLICATIONS

Official NOAA Nautical Charts – NOAA surveys and charts the national and territorial waters of the U.S, including the Great Lakes. We produce over 1,000 traditional nautical charts covering 3.4 million square nautical miles. Carriage of official NOAA charts is mandatory on the commercial ships that carry our commerce. They are used on every Navy and Coast Guard ship, fishing and passenger vessels, and are widely carried by recreational boaters. NOAA charts are available from official chart agents listed at: www.NauticalCharts.NOAA.gov.

Official Print-on-Demand Nautical Charts — These full-scale NOAA charts are updated weekly by NOAA for all Notice to Mariner corrections. They have additional information added in the margin to supplement the chart. Print-on-Demand charts meet all federal chart carriage regulations for charts and updating. Produced under a public/private partnership between NOAA and OceanGrafix, LLC, suppliers of these premium charts are listed at www.OceanGrafix.com.

Official Electronic Navigational Charts (NOAA ENCs®) -

ENCs are digital files of each chart's features and their attributes for use in computer-based navigation systems. ENCs comply with standards of the International Hydrographic Organization. ENCs and their updates are available for free from NOAA at www.NauticalCharts.NOAA.gov.

Official Raster Navigational Charts (NOAA RNCs[™]) –

RNCs are geo-referenced digital pictures of NOAA's charts that are suitable for use in computer-based navigation systems. RNCs comply with standards of the International Hydrographic Organization. RNCs and their updates are available for free from NOAA at www.NauticalCharts.NOAA.gov.

Official BookletCharts[™] – BookletCharts[™] are reduced scale NOAA charts organized in page-sized pieces. The "Home Edition" can be downloaded from NOAA for free and printed. The Internet address is www.NauticalCharts.gov/bookletcharts.

Official PocketChartsTM – PocketChartsTM are for beginning recreational boaters to use for planning and locating, but not for real navigation. Measuring a convenient 13" by 19", they have a 1/3 scale chart on one side, and safety, boating, and educational information on the reverse. They can be purchased at retail outlets and on the Internet.

Official U.S. Coast Pilot® – The Coast Pilots are 9 text volumes containing information important to navigators such as channel descriptions, port facilities, anchorages, bridge and cable clearances, currents, prominent features, weather, dangers, and Federal Regulations. They supplement the charts and are available from NOAA chart agents or may be downloaded for free at www.NauticalCharts.NOAA.gov.

Official On-Line Chart Viewer – All NOAA nautical charts are viewable here on-line using any Internet browser. Each chart is up-to-date with the most recent Notices to Mariners. Use these on-line charts as a ready reference or planning tool. The Internet address is www.NauticalCharts.gov/viewer.

Official Nautical Chart Catalogs – Large format, regional catalogs are available for free from official chart agents. Page size, state catalogs are posted on the Internet and can be printed at home for free. Go to http://NauticalCharts.NOAA.gov/mcd/ccatalogs.htm.

Internet Sites: www.Noa.gov, <a href="